

Abstract of the Disclosure

A head gimbal assembly comprising a slider having a read\write sensor; a suspension to load the slider; a micro-actuator; wherein the micro-actuator comprises a piezoelectric unit with two piezoelectric elements and a support base having a base to be coupled with the suspension physically, a moving plate to be coupled with the two piezoelectric elements, and a leading beam to connect with the base and the moving plate. Also disclosed is a micro-actuator comprising inter alia a piezoelectric unit with two piezoelectric elements. A method of forming a micro-actuator is also disclosed, which method comprising forming a piezoelectric unit having two piezoelectric elements; forming a support base having a base, a moving plate, and a leading beam to connect with the base and the moving plate; and bonding the piezoelectric unit to one side of the support base. Also disclosed is a method of forming a slider, a suspension and a micro-actuator.